

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Surface cleaning appliances –  
Part 2: Dry vacuum cleaners for household or similar use – Methods for  
measuring the performance**

**Appareils de nettoyage des sols –  
Partie 2: Aspirateurs à sec à usage domestique ou analogue – Méthodes de  
mesure de l'aptitude à la fonction**



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## SURFACE CLEANING APPLIANCES –

Part 2: Dry vacuum cleaners for household or similar use –  
Methods for measuring the performance

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International Standard IEC 62885-2 has been prepared by subcommittee 59F: Surface cleaning appliances, of IEC technical committee 59: Performance of household and similar electrical appliances.

This second edition of IEC 62885-2 cancels and replaces the first edition published in 2016. This edition constitutes a technical revision.

This second edition includes the following significant technical changes with respect to the previous edition:

- a) Inclusion of requirements for **water filter vacuum cleaners** throughout document
- b) Clause 4.6 on operation of the **dry vacuum cleaner** has been revised.
- c) Add new paragraph 4.11, consolidating test area and **stroke length** from 5.1.2, 5.3.2, 6.2.2 and 6.16.2.2. Added new 4.12 for **stroke speed**.
- d) Added debris pick-up test for hard floor and carpet. Includes new Annex E.

- e) Clause 6.2.2 – Clarification of the carpet to be used; reference 4.11 for test area. Remove restriction limiting carpets to motion resistance only. Clarify the use of a mechanical operator.
- f) A durability test for secondary hoses has been included.
- g) The informative annexes relating to the description and maintenance of the **reference vacuum cleaner system RSB** have been updated.

The text of this standard is based on the following documents:

Draft	Report on voting
59F/434/FDIS	59F/438/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

A list of all the parts in the IEC 62885 series, under the general title *Surface cleaning appliances*, can be found on the IEC website.

In this standard, the following print types are used:

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## SURFACE CLEANING APPLIANCES –

### Part 2: Dry vacuum cleaners for household or similar use – Methods for measuring the performance

#### 1 Scope

This part of IEC 62885 is applicable for measurements of the performance of mains-operated **dry vacuum cleaners**, including **water filter vacuum cleaners** for household or similar use.

NOTE 1 Measurements of the performance of mains-operated commercial **dry vacuum cleaners** are found in IEC 62885-8.

The purpose of this document is to specify essential performance characteristics of **dry vacuum cleaners** which are of interest to users and to describe methods for measuring these characteristics.

NOTE 2 Due to the influence of environmental conditions, variations in time, origin of test materials and proficiency of the operator, some of the described test methods will give more reliable results when applied for comparative testing of a number of appliances at the same time, in the same laboratory and by the same operator.

NOTE 3 The methods here can be applied with modifications for surface-cleaning product types or technologies not currently covered within the scope.

For safety requirements, reference is made to IEC 60335-1.

A recommendation on information for the consumer at the point of sale is given in Annex B.

#### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60688, *Electrical measuring transducers for converting A.C. and D.C. electrical quantities to analogue or digital signals*

IEC 60704-2-1, *Household and similar electrical appliances – Test code for the determination of airborne acoustical noise – Part 2-1: Particular requirements for vacuum cleaners*

IEC TS 62885-1:2020, *Surface cleaning appliances – Part 1: General requirements on test material and test equipment*

ISO 5167-1, *Measurement of fluid flow by means of pressure differential devices inserted in circular cross-section conduits running full – Part 1: General principles and requirements*

ISO 12103-1, *Road vehicles – Test dust for filter evaluation – Part 1: Arizona test dust*

#### 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.